## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INTIALS | ID NO. | DATE/    |
|---------------------------|---------|--------|----------|
|                           | X       |        | 03/15/07 |
| FEE DETERMINATION         | m       |        | 3/23/80  |
| O.I.P.E. CLASSIFIER       |         |        |          |
| FORMALITY REVIEW          | Rus     | 70976  | 5-9-06   |
| RESPONSE FORMALITY REVIEW | 15.755  | 1.10   | J 100    |
| RESPONSE FORMALITY REVIEW |         |        |          |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | í | Interference |
| _ | (Through numeral) Canceled | Α | Appeal       |
| ÷ | Restricted                 | Λ | Objected     |

|          |                  |               |                         |              |           |          |            | •            |           | ••••         |          |          | • • • • • | •••••    |          | Res      | itri     | cte       | ]         |           |           | C   | )            |              | ••••         | ••••         | ••••• |          | (              |
|----------|------------------|---------------|-------------------------|--------------|-----------|----------|------------|--------------|-----------|--------------|----------|----------|-----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----|--------------|--------------|--------------|--------------|-------|----------|----------------|
| C        | lain             | 1             |                         | <u> </u>     | A -       | IA.      | C          | ate          |           |              |          |          |           |          | C        | laim     |          |           | _         |           | D         | ate |              |              |              |              |       | С        | laim           |
| Jonia    | Original         |               | CUCU                    | 0            | 12/03     | 3110     |            |              |           |              |          |          |           |          | 1001     | Original |          |           |           |           |           |     |              |              |              |              |       | lec      | 10<br>Original |
| ۲        |                  | ۱۱۷           | -1.7                    | 8            | 7         | V        | +          | +            | +         | +            |          | +        | ╁         | -        | -        | 51       | H        | ╁         | ╁         | +         | +         | +   | +            | +-           | +            | +            | -     | <u>u</u> | 10             |
|          |                  | 2 -           |                         | 1            |           | t        | 1          | +            | 7         | 7            |          | T        | †         | 1        | r        | 52       | _        | $\dagger$ | +         | $\dagger$ | $\dagger$ | +   | +            | $^{+}$       | +            | $\dagger$    | 7     |          | 10             |
|          | _                | 3  <u>-</u> : | -   \                   | 7            | )         | U        | 1          | I            |           |              |          |          |           |          |          | 53       | _        |           |           | I         |           |     |              |              | 1            |              | 7     |          | 10             |
| -        | _                | 4 -           | -  \                    | 1            | ~         | セセ       | }          | 4            | 4         | 4            |          | 1        | $\perp$   | 4        |          | 54       | -        | L         | Ţ         | I         | $\perp$   | 1   | Ţ            | I            | I            | I            |       |          | 10             |
| -        |                  |               | 1                       |              | <u>~</u>  | ٥        | *          | -            | +         | -            |          | ┼-       | +         | 4        | $\vdash$ | 55       | -        | +         | +         | +         | +-        | +   | +            | +            | +            | +            | 4     | -        | 10             |
| -        | +                |               |                         | 9            | Š         | 1        | ╁          | +            | +         | +            | _        | ╁        | +         | $\dashv$ | $\vdash$ | 56<br>57 | ╁        | ╁         | +         | +         | +         | +-  | +            | +            | +            | +            | -     | -        | 10             |
|          | 1                | 3 -           | د .                     | 7            | Š         | t        | 1          | +            | $\dagger$ | 1            | _        | H        | +         | 1        | H        | 58       | $\vdash$ | $^{+}$    | +         | +         | +-        | +   | +-           | +            | ╅            | +            | +     | $\vdash$ | 100            |
| .[       | 1                | <u>.</u>      | - <del>}</del>          | $\mathbf{Z}$ | _         | 1        | 1          | Ţ            |           | 1            |          | T        |           |          |          | 59       | T        | T         | $\dagger$ | 1         | †         | T   | T            | Ť            | $\dagger$    | $^{\dagger}$ | 1     |          | 100            |
| 1        | 10               |               | -                       | 7            | ١         | b        | 1          | I            | I         | $\Box$       |          | L        | Ι         | ]        |          | 60       | L        | L         | I         | I         |           | I   | I            |              |              |              |       |          | 110            |
| -        | 1                | 11            | 1                       | 1            | ¥         | 2        | 1          | $\downarrow$ | 4.        | 4            | _        | L        | Ļ         | 1        | L        | 61       |          | L         | L         | Ļ         | L         | L   | L            | $\perp$      | $\perp$      | L            |       |          | 11             |
| -        | 12               | 3 ·           | -                       | 4            | 딋         | -6       | }-         | +            | +         | +            | _        | H        | $\perp$   | 4        | $\vdash$ | 62       | -        | ╀         | ╀         | +         | +         | ╀   | $\downarrow$ | $\perp$      | $\perp$      | +            | 4     | <u> </u> | 112            |
| -        | (1/              |               | -                       | 1            | ্         | 7        | -          | +            | +         | +            | -        | ├        | +         | -        | -        | 63       | -        |           | $\vdash$  | ╀         | +         | ╁   | +            | ╀            | ╀            | +-           | -     | -        | 113            |
| -        | 15               |               | 1.                      | 7            | Ï         | Z        | 1          | +            | +         | +            | _        | Н        | ┢         | 1        | $\vdash$ | 65       | -        | H         | ╁         | +         | +         | ╁   | ╁            | +            | +-           | +            | 1     | -        | 115            |
|          | 16               | E             |                         |              |           | Ň        | $\top$     | 1            | †         | +            |          | -        | 1         | 1        | $\vdash$ | 66       | -        | $\vdash$  | $\vdash$  | T         | †-        |     | T            | 1            | +            | $^{\dagger}$ | 1     |          | 116            |
|          | 17               |               | 1                       |              |           | N        |            |              |           |              |          |          |           | ]        |          | 67       |          |           |           |           |           | T   |              | T            |              |              |       |          | 117            |
| $\vdash$ | 18               | +             | 1                       |              | -         | Ν        | _          | $\downarrow$ | ↓         | 4.           | _        | L        | L         | 1        | $\perp$  | 68       |          | L         | L         |           | L         |     |              | L            | $\perp$      |              | ]     |          | 118            |
| -        | 19               | <u>.</u>      | 13                      | 1,           | ,         | 1        | <b>!</b> _ | $\perp$      | 4         | 4            |          | <u> </u> | ļ.,       | -        |          | 69       |          | <u> </u>  | _         | _         | ↓         | ļ., | L            | ┺            | $\perp$      | 1            | 1     |          | 119            |
| 1        | 20               | Ρ.            | <u> </u>                | 1            | Ч         | 0        | L          | 1            | +         | 1            | _        | _        | Ļ         |          | $\vdash$ | 70       |          | _         | L         | L         | $\perp$   | _   | L            | ļ_           | 1            | ╀            | 1     |          | 120            |
| -        | 21               |               | 1:                      | 1            | 뇘         | 7        | ┥          | ╀            | +         | +            | _        | _        | Ͱ         | -        | -        | 71<br>72 |          |           | ⊢         | ╄         | ╁         | -   | ⊢            | -            | ⊬            | 4            | 4     | -        | 121            |
| $\vdash$ | 23               |               | Ü                       | +            | J         | ð        | _          | +            | +         | +            | -        | -        | -         | 1        | $\vdash$ | 73       |          | -         | -         | ┝         | ╁         | -   | ├            | ╁            | ╁            | -            | -     | $\vdash$ | 122<br>123     |
| -        | 24               | Š             | -                       |              | 4         | J        | -          | $\dagger$    | $^{+}$    | +            | ᅥ        | _        | ┢         | ┨.       | -        | 74       |          |           |           | +-        | ╁         | -   | ┢            | ╁╌           | +            | +            |       | $\vdash$ | 124            |
|          | 25               | +             | V                       | Z            | 7         | Ž        |            | T            | +         | 1            |          | _        |           | 1        |          | 75       |          |           | -         | T         | 1         |     | $\dagger$    | $\vdash$     | -            | $\vdash$     | 1     | Н        | 125            |
| Z        | 26               | Ŋ.            | $\overline{\mathbf{v}}$ | 了、           |           | ₫        |            | I            | I         |              |          |          |           | ]        |          | 76       |          |           |           |           |           |     |              |              | T            | T            | 1     |          | 126            |
| <        | 27               | <u>}</u>      | ÷                       | Ļ            | 4         | М        | L          | L            | ╧         | 1            |          |          |           | 1        | <u>_</u> | 77       |          |           |           |           |           |     | L            |              | L            |              | ]     |          | 127            |
| <u> </u> | 28<br>29         | Ī.            | =                       | H            | 4         | И        | L          | -            | $\perp$   | +            | 4        |          | L         | -        | <u> </u> | 78.      | ,_       |           | _         | L         | L         | ļ   | <u> </u>     | L            | L            | _            | 1     |          | 128            |
| 7        | 30               | 3             | · · · ·                 | +            | -         | 7        | ┝          | ╀            | +         | +            | -        |          | H         | 1        | $\vdash$ | 79<br>80 |          |           |           |           | ├         | -   | -            | <u> </u>     | -            | -            | ł     |          | 129<br>130     |
| 5        | 31               |               | 7                       | +            | ╣         | Ŭ        | -          | ┼-           | ╁         | +            | $\dashv$ |          | -         | 1        | }-       | 81       | -        |           | _         | -         | -         | -   | H            | -            | ├-           | ┝            | 1     |          | 130            |
| 7        | 32               |               | 2                       | ╁╌           | N         | J        | -          | $\vdash$     | t         | ✝            | 1        | _        | -         | 1        | -        | 82       |          |           |           | -         | ┢         | -   | -            | -            | ┢            | ╁            | 1     |          | 132            |
|          | 33               | -             | 4                       |              |           | J        |            |              | T         | +            | 1        |          | _         | 1        | Ι.       | 83       |          |           |           | 1         |           | -   | 1            |              | h            |              | 1     |          | 133            |
|          | 34               |               |                         |              | Γ         |          |            |              | I         |              | $\Box$   |          |           |          |          | 84       |          |           |           |           |           |     |              |              |              |              |       |          | 134            |
|          | 35               | _             | L                       | ļ.,          | 1         | _        |            | L            | 1         | ╀            | 1        |          |           |          | L.       | 85       |          |           |           |           | <u> </u>  |     |              |              | L            |              | ]     |          | 135            |
| <u> </u> | 36<br>37         |               | _                       | $\vdash$     | +         | -        |            | $\vdash$     | $\perp$   | +            | 4        |          | L         | -        | $\vdash$ | 86       | _        |           |           | <u> </u>  | L         | ļ   | -            | _            | -            | _            |       |          | 136            |
|          | 38               | -             |                         | $\vdash$     | +         | -        |            | ╁            | ╁         | +            | +        | -        | -         | 1        | -        | 87<br>88 | 4        |           |           |           |           |     | -            | $\vdash$     | $\vdash$     | ├            | 1     | -        | 137            |
| <u> </u> | 39               |               | -                       | $\vdash$     | +         | $\dashv$ |            | $\vdash$     | ╁         | +            | +        | -        | _         | 1        | -        | 89       |          | _         | _         |           | $\vdash$  | _   | -            | <del> </del> | -            | H            | 1     | -        | 138<br>139     |
| Г        | 40               | П             | $\vdash$                | T            | $\dagger$ | 7        |            | 1            | $\vdash$  | $^{\dagger}$ | +        |          |           |          | H        | 90       | -        |           |           |           | -         |     | H            | -            | -            | $\vdash$     | 1     | -        | 140            |
|          | 41               |               |                         | $\vdash$     | Ť         | 7        | _          | $\vdash$     | T         | T            | +        | ٦        | -         |          | Г        | 91       | $\dashv$ |           |           |           |           | -   | $\vdash$     | -            | $\vdash$     | -            | 1     |          | 141            |
|          | 4 <b>)</b><br>43 |               |                         | I            | İ         | ╛        | _          |              | I         |              | +        | T        |           |          |          | 92       | 7        |           |           | H         |           |     |              | $\vdash$     | -            |              | 1     | -        | 142            |
|          | 43               |               | Ľ                       |              | Ţ         |          |            |              |           | I            | 1        |          |           |          |          | 93       |          |           |           |           |           |     |              |              |              |              | j     |          | 143            |
| <u> </u> | 44               | L             | L                       | L            | 4         | _        |            | L            | L         | L            | $\perp$  |          |           |          | L        | 94       | $\Box$   |           |           |           |           |     |              |              |              |              | ]     |          | 144            |
| $\vdash$ | 45               | _             | $\vdash$                | -            | +         | 4        |            | -            | $\vdash$  | +            | 4        | _        |           | -        | _        | 95       | 4        |           |           | L         | _         |     |              |              |              | L            |       | -        | 45             |
| $\vdash$ | 46<br>47         |               | <u> </u>                | $\vdash$     | +         | -        |            | -            | +         | ╀            | +        |          |           | ļ        | -        | 96       | -        | -         |           | H         | L-        |     |              | <u> </u>     | _            | ⊢            |       |          | 46             |
| H        | 48               | -             | _                       | +            | +         | $\dashv$ |            | ╁            | $\vdash$  | +            | +        | -        |           |          | -        | 97<br>98 | $\dashv$ | $\dashv$  |           |           | H         |     | <u> </u>     | <del> </del> | <del> </del> | $\vdash$     | l     |          | 147            |
| $\vdash$ | 49               | -             | _                       | ✝            | $\dagger$ | -        | _          | $\vdash$     | $\vdash$  | +            | +        | ┪        |           |          |          | 99       | 1        | $\dashv$  |           |           | Н         | _   |              | -            | -            |              | 1     | -        | 149            |
|          | 50               |               |                         |              | 1         |          |            |              |           | İ            |          |          | _         |          |          | 100      |          |           |           |           |           |     |              |              |              |              | 1     |          | 50             |

|               |            | •         |                |              |              |           |          |           |           |          |          |                    |
|---------------|------------|-----------|----------------|--------------|--------------|-----------|----------|-----------|-----------|----------|----------|--------------------|
| Cla           | im         |           |                |              |              |           | D        | ate       |           |          | _        | _                  |
| Final         | Original   |           |                |              |              |           |          |           |           |          |          |                    |
|               | 101        |           | Ι              |              |              |           | T        | T         |           | T        | 1        | 1                  |
|               | 102        |           |                |              |              |           |          | T         | T         | T        | T        | 十                  |
|               | 103        |           | Τ              | Τ            |              |           | Γ        | T         | T         | Т        | T        | $\top$             |
|               | 104        |           | $oxed{\Gamma}$ |              |              | _         |          | I         |           |          |          | 1                  |
| _             | 105        |           | L              | $\perp$      | _ _          |           | L        | $\perp$   |           |          | I        | I                  |
|               | 106        | _         | L              | $\perp$      | 4            |           | L        | ∔         | _         | 1_       | L        | $\perp$            |
| _             | 107        |           | ╀              | +            | 4            | _         | L        | $\perp$   | 4         | $\perp$  | $\perp$  | 1                  |
|               | 108<br>109 |           | -              | +            | +            | _         | -        | +         | +         | +        | +        | +                  |
| _             | 110        |           | $\vdash$       | +            | +            |           | ┝        | +         | +-        | +-       | ╀        |                    |
|               | 111        | _         | ╁              | ╁            | ╁            |           | ├        | +         | +         | +        | +-       | +                  |
|               | 112        |           | $\vdash$       | ÷            | +            |           | $\vdash$ | +         | ╁         | ╁┈       | +        | +                  |
| _             | 113        |           | t              | $^{\dagger}$ | +            |           | -        | +         | +         | +        | ╁        | +                  |
| _             | 114        | _         | $\vdash$       | †            | T            |           | Г        | $\dagger$ | $\dagger$ | ╁        | t        | ╁╌                 |
|               | 115        |           |                | T            | †            |           |          | T         | +         | 十        | 1-       | T                  |
|               | 116        |           |                | T            |              |           |          | T         | 1         | 1        | T        | 1                  |
| _             | 117        |           | L              | ľ            | Ι            |           |          |           |           | Γ        |          | Τ                  |
|               | 118        |           | L              | Ļ            | ╧            |           | _        | L         |           |          |          |                    |
|               | 119        |           | _              | ┺            | 1            | 4         | _        | ┺         | $\perp$   | L        | 1_       | $oldsymbol{\perp}$ |
|               | 20         |           | L              | L            | $\perp$      | _         |          |           | L         | L        | L        | $\perp$            |
|               | 121        |           | _              | ╀            | $\downarrow$ | 4         |          | L         | ╙         | 1        | 1        | ┺                  |
|               | 22         |           | <u> </u>       | ╄            | ╄            | 4         | _        | ـ         | ╄         | ╀        | ┼-       | ╄                  |
|               | 23<br>124  | _         | _              | ╀            | +            | 4         | _        | ╀         | ╁         | -        | ╀        | -                  |
| -             | 25         |           |                | ╁            | +            | +         |          | ⊢         | ┢         | ╁╌       | ╀        | ╁                  |
| $\overline{}$ | 26         | _         | -              | ╁            | +            | +         |          | ┝         | +         | ╁        | ╁        | ╁                  |
| _             | 27         | ٦         | _              | H            | ╁            | 1         | _        | -         | $\vdash$  | H        | ╁╌       | +-                 |
| _             | 28         |           |                |              | $\dagger$    | †         |          | -         | ╁         | t        | +-       | 1                  |
| 7             | 29         | ٦         |                |              | T            | 1         |          | T         | 1         | t        | T        | $\vdash$           |
| 1             | 30         |           |                | Γ            | T            | 1         | _        | Γ         | T         | Т        | Γ        | T                  |
| 1             | 31         |           |                |              | Ι            |           |          |           |           | ,        |          |                    |
|               | 32         |           |                | L            | Ĺ            | 1         |          |           |           |          |          |                    |
|               | 33         | _         |                | L            | L            | 1         |          | _         | L         |          |          | L                  |
|               | 34         | 4         |                | L            | ╀            | 4         |          | ↓_        | <u> </u>  | ļ        | <u> </u> | <u> </u>           |
|               | 35<br>36   | 4         |                | -            | ╀            | 4         |          |           | ┞         | -        | L        | ┝                  |
| _             | 37<br>37   |           |                | H            | ╀            | +         | _        |           | ├-        | ├        | -        | -                  |
|               | 38         | -         |                | ┢            | ╁            | +         |          | -         | ├         |          | -        | -                  |
|               | 39         | $\dashv$  |                | -            | +            | $\dagger$ |          |           | H         | _        |          |                    |
| _+            | 40         | 7         |                | ┢            | 1            | Ť         | _        | -         | <u> </u>  | $\vdash$ | H        |                    |
| -             | 41         | 7         | _              | 1-           | 十            | t         | _        | -         | $\vdash$  | <u> </u> | -        |                    |
| ٠.            | 42         | $\forall$ |                | -            | 1            | †         |          | -         | $\vdash$  | $\vdash$ |          | $\vdash$           |
|               | 43         | 1         |                | _            | T            | †         |          |           | _         | Г        | Г        | fΗ                 |
|               | 44         | 1         |                |              | Γ            | †         | _        | Γ         |           |          |          | П                  |
|               | 45         |           |                |              |              | 1         |          |           | _         |          |          |                    |
|               | 46         | Ţ         |                |              | Γ_           | I         | _        |           |           |          |          |                    |
|               | 47         | 1         |                | <u> </u>     |              | 1         |          |           | L         |          |          |                    |
|               | 48         | 4         |                | _            | $\vdash$     | ļ         | _        | L         |           |          | $\Box$   | L.]                |
| 1             | 49         | +         | _              | _            | 1            | +         | _        | <u> </u>  |           | _        | H        | Щ                  |

If more than 150 claims or 10 actions staple additional sheet here

(LEFT INSIDE)

BEST AVAILABLE COPY